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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/669,404	09/24/2003	Viacheslav A. Petrov	UC0318 US NA	5035	
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LEGAL PATE	NT RECORDS CENTI	KEYS, ROSA	KEYS, ROSALYND ANN		
BARLEY MILL PLAZA 25/1128 4417 LANCASTER PIKE			ART UNIT	PAPER NUMBER	
WILMINGTO	N, DE 19805		1621		
			NOTIFICATION DATE	DELIVERY MODE	
			11/21/2007	ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PTO-Legal.PRC@usa.dupont.com

The interview administry (i 10-413)			Application No.	Applicant(s)				
Rossing Keys Rossing Keys Rossing Keys Rossing Keys	Office Action Summary		10/669,404	PETROV, VIACHES	PETROV, VIACHESLAV A.			
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Application/Control Number: 10/669,404

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DETAILED ACTION

Status of Claims

1. Claims 2-8 and 10-17 are pending.

Claims 2-8 and 10-17 are rejected.

Claims 1 and 9 are cancelled.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. The factual inquiries set forth in *Graham* v. *John Deere* Co., 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:
 - 1. Determining the scope and contents of the prior art.
 - 2. Ascertaining the differences between the prior art and the claims at issue.
 - 3. Resolving the level of ordinary skill in the pertinent art.
 - 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.
- 4. Claims 2-8 and 10-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Poetsch et al. (US 5,348,677).

Poetsch et al. teach compounds having a formula I, which have the same structural formula as the claimed compound structure (see entire disclosure, in particular column 3, lines 23-66; column 6, line 31 to column 8, line 62; column 9, lines 26-34 and column 17, lines 25-35). Poetsch et al. teach electro-optical liquid crystal display elements containing their formula I

compounds (see column 1, line 7 to column 2, line 28). Poetsch et al. teach that their liquid-crystalline dielectrics can be used in various electro-optical display elements (see column 1, lines 59 and 60). An OLED is a form of electro-optical display.

Poetsch et al. fail to expressly disclose the claimed organic active materials however their use is clearly suggested, i.e., as additives (see column 16, lines 23-40).

One having ordinary skill in the art at the time the invention was made would have found it obvious to combine the claimed organic active materials with the fluorine containing compounds of Poetsch et al. for use in liquid crystal display elements, since Poetsch et al. teach that their liquid-crystalline dielectrics can be modified by suitable additives in a such a way that they can be used in all of the disclosed types of liquid crystal display elements (see column 16, lines 23-26).

Poetsch et al. fail to expressly disclose the compounds of claim 6. However, Poetsch et al. suggest the compounds of claim 6 and the compounds expressly disclosed in example 1 of Poetsch et al. have close structural similarity and similar utility as the compounds of claim 6. Thus, the compounds of claim 6 are prima facie obvious over the compounds disclosed by Poetsch et al.

Again the Examiner wishes to direct the applicant's attention to MPEP 2111.02 (see above). The Examiner believes that the newly added preamble of "for an active layer of an OLED device, as disclosed in claim 6, is directed to the purpose or intended use of the solution comprising an organic active material and a compound having the claimed structure. Thus, the Examiner believes that the preamble is not considered a limitation and is of no significance to claim construction.

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Response to Amendment

5. The rejection of claims 1-5 under 35 U.S.C. 103(a) as being unpatentable over Sanechika et al. (US 5,547,593) in view of JP 02227285 A) is withdrawn, since claim 1 has been cancelled and claims 2-5 now depend from claim 7.

Response to Arguments

6. Applicant's arguments filed August 24, 2007 have been fully considered but they are not persuasive.

The Applicants argue that there is no teaching or suggestion in Poetsch of the organic active materials recited in Applicant's claims; that the additives of Poetsch are those designed to improve liquid crystal function; and that none of the materials of Poetsch is the same as a fluorescent emitter, a phosphorescent emitter, a charge transport material, or a buffer layer material, as recited in Applicant's claims. One of ordinary skill in the art would not be led to take a small subset of the materials of Poetsch's formula I and add to them a fluorescent emitter, a phosphorescent emitter, a charge transport material, or a buffer layer material.

These arguments are not persuasive because the conductivity salts disclosed in column 16 of Poetsch et al. may be used as charge transport materials or buffer layer materials; the additives disclosed by Poetsch are also suitable for improving OLED function; and as disclosed earlier a conductivity salt is suitable for use as either a charge transport material or a buffer layer material. Further, one having ordinary skill in the art at the time the invention was made would have found it obvious to select a fluorescent emitter, a phosphorescent emitter, a charge transport material, or a buffer layer material, which is suitable for making an OLED if that is the form of electro-optical display element that the artisan desires to make.

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For the above reasons the Examiner believes that the instant claims are obvious over Poetsch et al. Thus, the rejection of claims 2-8 and 10-17 under 35 U.S.C. 103(a) as being unpatentable over Poetsch et al. (US 5,348,677) is maintained.

Conclusion

7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rosalynd Keys whose telephone number is 571-272-0639. The examiner can normally be reached on M, R & F 5:30-7:30 am & 1-5 pm; T & W 5:30 am-4 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yvonne Eyler can be reached on 571-272-0871. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Rosalynd Keys/ Primary Examiner Art Unit 1621

November 12, 2007